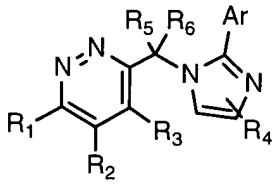
IMIDAZOL-1-YLMETHYL PYRIDAZINE DERIVATIVES

ABSTRACT OF THE DISCLOSURE

The invention provides imidazol-1-ylmethyl pyridazine derivatives of the formula:



that bind to $GABA_A$ receptors. In the above formula, R_1, R_2 R_3, R_4, R_5, R_6 and Ar are defined herein. Such compounds may be used to modulate ligand binding to $GABA_A$ receptors *in vivo* or *in vitro*, and are particularly useful in the treatment of a variety of central nervous system (CNS) disorders in humans, domesticated companion animals, and livestock animals. Compounds provided herein may be administered alone or in combination with one or more other CNS agents to potentiate the effects of the other CNS agent(s). Pharmaceutical compositions and methods for treating such disorders are provided, as are methods for using such ligands for detecting $GABA_A$ receptors (*e.g.*, receptor localization studies).